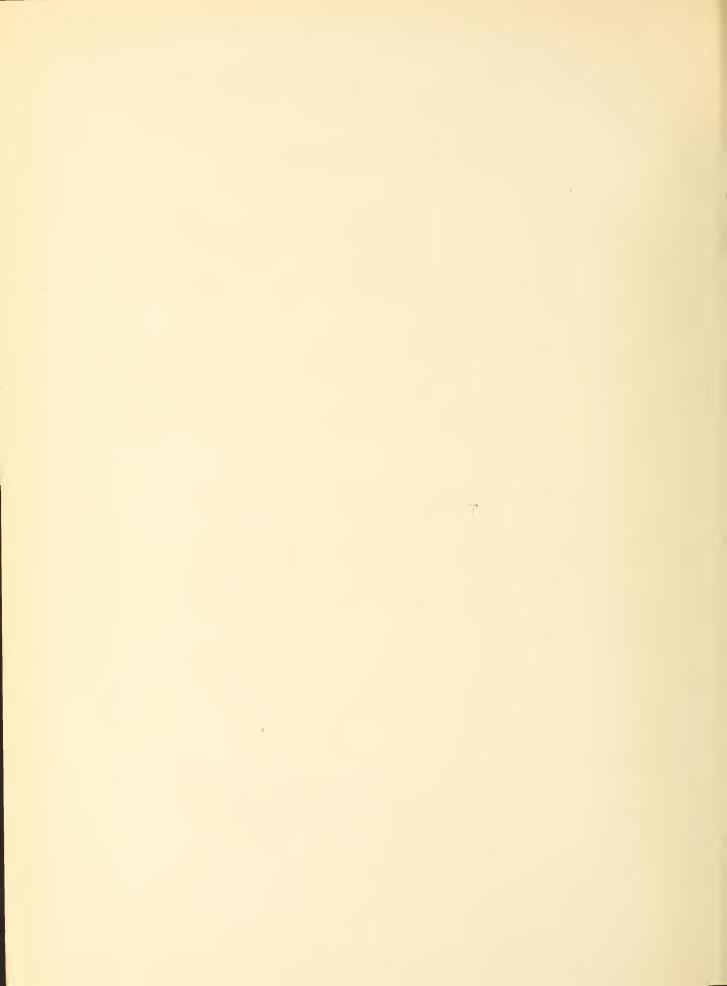
August 1949 E-767a

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE ARTICLES PUBLISHED IN 1948

Compiled by the Division of Insect Survey and Information

United States Department of Agriculture Agricultural Research Administration Bureau of Entomology and Plant Quarantine



BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE ARTICLES PUBLISHED IN 1948

Compiled by the Division of Insect Survey and Information

This list consists of articles by Bureau workers published within the Department or in outside periodicals during 1948. The articles are grouped according to the subject matter. The names of authors not members of this Bureau are indicated by asterisks (*). The marginal numbers in parentheses are inserted for convenience in using the index and are not part of the reference.

Copies of processed publications of the Bureau--E, ET, and EC series and special supplements to the Insect Pest Survey--and printed publications of the Department may be obtained by writing to the Bureau of Entomology and Plant Quarantine, Washington 25, D. C. Reprints of articles published in outside periodicals are not generally available for distribution.

TABLE OF CONTENTS

2	insects affecting man
	and animals 21
3	Plant-disease control 26
8	Stored-products pests 27
10	Taxonomy 29
	Truck crop, garden,
11	and greenhouse insects 33
	Bibliographies, literature
13	reviews, and lists 38
	Miscellaneous 39
18	Author index 41
20	
	3 8 10 11 13 18

BEES AND POLLINATION

- (1) Burnside, C. E., and Revell, I. L.
 Observations on Nosema Disease of Honey Bees. Jour. Econ.
 Ent. 41 (4): 603-607. August.
- (2) Division of Bee Culture
 Information About Bee Culture. U. S. Bur. Ent. and Plant
 Quar. E-276, rev., 10 pp. September. Processed
- (3) Farrar, C. L.
 Apparatus for Artificial Insemination of Queen Bees. Amer.
 Bee Jour. 88 (4): 190-191. April.
- (4) Hitchcock, J. D.

 A Rare Gregarine Parasite of the Adult Honey Bee. Jour.

 Econ. Ent. 41 (6): 854-858. December.
- (5) Mackensen, Otto
 A New Syringe for the Artificial Insemination of Queen Bees.
 Amer. Bee Jour. 88 (8): 412. August.
- and Roberts, W. C.

 A Manual for the Artificial Insemination of Queen Bees. U. S.

 Bur. Ent. and Plant Quar. ET-250, 33 pp. February.

 /Processed./
- (7) McGregor, S. E.
 Acetic Acid a Promising Bee Repellent. Amer. Bee Jour.
 88 (12): 585. December.
- (8) Vansell, G. H., and Reinhardt, J. F.

 Do Honey Bees Help Pollinate Baby Lima Beans? Gleanings
 Bee Cult. 76 (11): 678-689. November.
- (9) and Todd, Frank E.

 Bee-Gathered Pollen in Various Localities on the Pacific Coast. U. S. Bur. Ent. and Plant Quar. E-749, 9 pp.

 July. Processed
- (10) Woodrow, A. W.

 Drying and Storing Pollen Trapped from Honey Bee Colonies.

 Amer. Bee Jour. 88 (3): 124-125. March.
- Tests With DDT on Honey Bees in Small Cages. U. S. Bur.
 Ent. and Plant Quar. E-763, 14 pp. December. Processed.

CEREAL, FORAGE, AND SUGARCANE INSECTS

- (12) Arbuthnot, K. D., Jones, D. W., Carter, S. W., and Evans, R. W.

 The Colonization of Parasites of the European Corn Borer in
 the United States in 1948. U. S. Bur. Ent. and Plant Quar.
 Insect Pest Survey Spec. Sup. (1948, No. 6), 5 pp. September.

 Processed.
- Jones, D. W., Carter, S. W., and Evans, R. W.

 The Field Status of Parasites of the European Corn Borer at the Close of 1947. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey Spec. Sup. (1948, No. 5), 13 pp. May.

 Processed.
- (14) Baker, W. A., and Bradley, W. G.

 The European Corn Borer: Its Present Status and Methods of
 Control. U. S. Dept. Agr. Farmers' Bul. 1548, rev., 46 pp.
 September.
- (15) Barnes, O. L., Frost, M. H., Jr.,* Nerney, N. J., and Laird, I. R. Grasshopper Control Tests in Irrigated Alfalfa in Arizona, 1945-1948. Alfalfa Improvement Conf. Proc. 11: 76-77. August. Processed.
- (16) Beck, E. W.

 Estimates of Damage to Corn by European Corn Borer in the
 United States in 1947. U. S. Bur. Ent. and Plant Quar. Insect
 Pest Survey Spec. Sup. (1948, No. 3), 2 pp. March.

 Processed
- Status of the European Corn Borer in 1947. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey Spec. Sup. (1948, No. 4), 12 pp. April. Processed
- (18) Blanchard, R. A., and Chamberlin, T. R.

 Tests of Insecticides, Including DDT, Against the Corn EarWorm and the Fall Armyworm in Corn. Jour Econ. Ent.
 41 (6): 928-935. December.
- (19) Bohart, George E.

 Beneficial Insects in Relation to Alfalfa Seed Production in

 Utah. Alfalfa Improvement Conf. Proc. 11: 57-65.

 August. Processed.

- (20) Bynum, E. K., and Haley, W. E.

 Heavy Mortality of Sugarcane Borers in Louisiana Last
 Winter. Sugar Bul. 26 (16): 246. May.
- (21) Haley, W. E., and Charpentier, L. J.

 Disposal of Sugarcane Borers Overwintering in Shoots of
 Summer-Planted Cane. Sugar Bul. 26 (8): 116, 123-125.

 January.
- (22) Cartwright, W. B.

 Hessian Fly Survey at Harvesttime, 1948. U. S. Bur. Ent. and

 Plant Quar. Insect Pest Survey Spec. Sup. (1948, No. 7),

 3 pp. September. Processed.
- (23) Chamberlin, T. R., and Medler, J. T.
 Insects Injurious to Alfalfa. Alfalfa Improvement Conf. Proc.
 11: 78. August. Processed.
- (24) _____ Medler, J. T., and O'Neal, E. J.*

 Insecticides for Control of Spittlebug Nymphs in Wisconsin.

 Jour. Econ. Ent. 41 (3): 500. November.
- (25) Dahms, R. G.

 Comparative Tolerance of Small Grains to Greenbugs from Oklahoma and Mississippe. Jour. Econ. Ent. 41 (5): 825-826. October.
- Control of the Greenbug With Insecticides. (Sci. Note) Jour. Econ. Ent. 41 (3): 520-521. June.
- Effect of Different Varieties and Ages of Sorghum on the Biology of the Chinch Bug. Jour. Agr. Res. 76 (12): 271-288. June.
- (28) Davis, E. G.
 Status of the Wheat Stem Sawfly in 1947. U. S. Bur. Ent. and
 Plant Quar. Insect Pest Survey Spec. Sup. (1948, No. 2),
 4 pp. March. Processed.
- (29) Dobbins, T. N., and Fronk, W. D.

 Insecticide Tests for the Control of Coleopterous Larvae
 Attacking Peanuts in the Soil. (Sci. Note) Jour. Econ. Ent.
 41 (5): 815-816. October.

- (30) Everly, Roy T.

 Insects Injurious to Alfalfa. Alfalfa Improvement Conf. Proc.

 11: 76. August. /Processed./
- (31) Henderson, Chas. F., and Keiser, Irving
 Adhesives for Dilute and Concentrated Cryolite Sprays Used
 in White-Fringed Beetle Control Operations. U. S. Bur.
 Ent. and Plant Quar. E-756, 12 pp. October. Processed.
- (32) Ingram, J. W.

 Recommendations for the Control of the Sugarcane Borer in

 Louisiana in 1948 by Dusting with Cryolite. Sugar Bul.

 26 (14): 212, 222. April.
- Bynum, E. K., and Charpentier, L. J.

 Experiments With Insecticides Against the Sugarcane Borer in 1947. Jour. Econ. Ent. 41 (6): 914-918. December.
- (34) Lieberman, F. V.

 Insects Injurious to Alfalfa. Alfalfa Improvement Conf. Proc.

 11: 74-75. August. /Processed./
- (35) Medler, J. T., and Chamberlin, T. R.

 Seed Yields of Red and Ladino Clovers Increased by Use of
 Insecticides. (Sci. Note) Jour. Econ. Ent. 41 (1): 108-109.

 February.
- (36) Packard, C. M.

 Some of the Insects. U. S. Dept. of Agr. Yearbook (Grass)

 1948: 273-284.
- (37) Parker, J. R., and Wakeland, Claude

 New Insecticides for Grasshopper Control. U. S. Bur. Ent.

 and Plant Quar. EC-1, 7 pp. March. /Processed.
- (38) Patch, L. H., and Deay, H. O.*

 Effect of Plant Development on Resistance of Corn Hybrids to

 European Corn Borer. Jour. Econ. Ent. 41 (5): 766-769.

 October.
- (39) ____ and Everly, Roy T.

 Contribution of Inbred Lines to the Resistance of Hybrid Dent
 Corn to Larvae of the Early Summer Generation of the
 European Corn Borer. Jour. Agr. Res. 75 (11): 257-263.
 June.

- (40) Poos, F. W.
 Insects Injurious to Alfalfa. Alfalfa Improvement Conf. Proc.
 11: 75. August. Processed.
- (41) _____ and Batten, E. T.*

 Control of Peanut Pests. South. Planter 109 (6): 16. June.
- and Batten, E. T.*

 Use of DDT Dust Mixture Is Now Recommended for Peanut Pests Control. Peanut Jour. and Nut World 27 (6): 32.

 April.
- (43) Questel, D. D., and Connin, R. V.
 Investigations of Sprays for Control of the European Corn
 Borer, Toledo, Ohio, 1945-1946. U. S. Bur. Ent. and Plant
 Quar. E-743, 10 pp. February. /Processed./
- (44) _____ and Gertler, S. I.

 Laboratory and Field Tests of Additional Organic Compounds

 Against the European Corn Borer. U. S. Bur. Ent. and

 Plant Quar. E-748, 13 pp. May. /Processed./
- (45) Russell, E. E.

 Control of Hemipterous Insects in Irrigated Alfalfa Grown for Seed. Alfalfa Improvement Conf. Proc. 11: 77-78. August.

 Processed
- (46) Satterthwait, A. F.
 Important Sunflower Insects and Their Insect Enemies. Jour.
 Econ. Ent. 41 (5): 725-731. October.
- (47) Schlosberg, Morris, and Baker, W. A.

 Tests of Sweet Corn Lines for Resistance to European Corn

 Borer Larvae. Jour. Agr. Res. 77 (5): 137-156. September.
- (48) Stitt, L. L.

 Reduction of the Vegetative Growth of Alfalfa by Insects. Jour.

 Econ. Ent. 41 (5): 739-741. October.
- (49) United States Bureau of Entomology and Plant Quarantine
 European Corn Borer. U. S. Dept. Agr. Picture Sheet 14, rev.
 2 pp. April.

- (50) United States Bureau of Entomology and Plant Quarantine
 Save Corn from the European Corn Borer! U. S. Dept. Agr.
 Off. Food and Feed Conserv. Fact Sheet 6, 2 pp. April.
- Save Crops by Controlling Grasshoppers. U. S. Dept. Agr.,
 Off. Food and Feed Conserv. Fact Sheet 7, 3 pp. April.
- Save Grain in Transit. Prevent Insect Infestation. U. S. Dept. Agr., Off. Food and Feed Conserv. Fact Sheet 13, 2 pp. May.
- (53) Walkden, H. H.

 Status of the Southwestern Corn Borer in Nebraska, Kansas, and Oklahoma, Fall 1947. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey Spec. Sup. (1948, No. 1), 3 pp. February. /Processed./
- (54) _____ and White, G. D.

 Status of the Southwestern Corn Borer in Kansas and Oklahoma,
 Fall 1948. U. S. Bur. Ent. and Plant Quar. Insect Pest
 Survey Spec. Sup. (1948, No. 8), 2 pp. December.

 Processed.
- (55) Walter, E. V.

 Corn Earworm Resistance in Sweet Corn Inbreds and Hybrids.

 U. S. Bur. Ent. and Plant Quar. E-745, 22 pp. April.

 Processed.
- (56) Wilson, C. C.

 Research on New Insecticides for Grasshopper Control.

 Calif. Dept. Agr. Bul. 37 (2): 6. June.
- (57) Young, H. C., and Gill, J. B.
 Soil Treatments With DDT To Control the White-Fringed
 Beetle. U. S. Bur. Ent. and Plant Quar. E-750, 8 pp.
 July. Processed.

COTTON INSECTS

- (58) Calhoun, S. L.

 New Insecticides for Cotton-Insect Control. Cotton Trade

 Jour., Internatl. Ed. 28 (48): 151-153. November.
- (59) Cotton Insect Workers, Federal and State.

 Conference Report on Cotton Insect Research and Control,
 Baton Rouge, Louisiana, November 8-10, 1948. 26 pp.
 December. Processed.
- (60) Curl, L. F.

 The Pink Bollworm Situation in the United States and

 Mexico. Acco Press 26 (6): 6-10, 12, 14, 15. June.
- (61) Dunnam, E. W., and Calhoun, S. L.

 Benzene Hexachloride To Control Boll Weevil and Cotton
 Aphid. Jour. Econ. Ent. 41 (1): 22-25. February.
- (62) Calhoun, S. L., and Gull, P. W.*

 Chemical Defoliation of Cotton. Miss. Farm Res. Miss. Agr.

 Expt. Sta. 11 (3): 3-4. March.
- (63) Ewing, K. P.

 Progress in Insect Control. Cotton Gin and Oil Mill Press
 49 (7): 11-12. April.
- (64) _____ and Parencia, C. R., Jr.

 Control of Boll Weevil and Cotton Aphid With Dusts Containing
 Chlorinated Camphene, Benzene Hexachloride, or Other
 New Insecticides. Jour. Econ. Ent. 41 (4): 558-563.
 August.
- (65) Fife, L. C., Chapman, A. J., and Shiller, Ivan. Toxicity of Several Chlorinated Hydrocarbons to Thrips on Cotton. (Sci. Note) Jour. Econ. Ent. 41 (4): 665. August.
- (66) Gaines, R. C., and Scales, A. L.

 Effectiveness of Insecticides on the Boll Weevil in Cotton
 Squares in 1947. (Sci. Note) Jour. Econ. Ent. 41 (3):
 519-520. June.
- (67) and Young, M. T.

 Benzene Hexachloride Mixtures to Control Four Cotton Insects.

 Jour. Econ. Ent. 41 (1): 19-22. February.

COTTON INSECTS--Continued.

- (68) Parencia, C. R., Jr., and Ewing, K. P.

 Bollworm Control With Chlorinated Camphene, DDT, and

 Mixtures of Benzene Hexachloride and DDT. Jour. Econ.

 Ent. 41 (3): 406-409. June.
- (69) and Ewing, K. P.

 Control of the Cotton Fleahopper by Chlorinated Camphene,
 DDT, and Sulphur. Jour. Econ. Ent. 41 (5): 735-738.

 October.
- (70) Phillips, G. L., and Bodenstein, W. G.

 A Successful Large-Scale Experiment in Methyl Bromide
 Fumigation of Bulk Cottonseed for Pink Bollworm Control.
 (Sci. Note) Jour. Econ. Ent. 41 (5): 804-805. October.
- (71) Robertson, O. T.

 Tests With DDT, Benzene Hexachloride, and Ryania for Pink
 Bollworm Control. (Sci. Note) Jour. Econ. Ent. 41 (1):
 120-121. February.
- (72) Scales, A. L., and Smith, G. L.

 Cage Tests Against the Boll Weevil and the Tarnished Plant
 Bug With Synthetic Organic Insecticides and Calcium
 Arsenate in 1947. Jour. Econ. Ent. 41 (3): 403-405. June.
- (73) Stevenson, W. A., and Kauffman, William

 Benzene Hexachloride and Other Insecticides to Control

 Cotton Insects in Arizona. Jour. Econ. Ent. 41 (4):
 583-585. August.
- (74) United States Bureau of Entomology and Plant Quarantine
 Save Cottonseed From Insects. U. S. Dept. Agr. Off.
 Food and Feed Conserv. Fact Sheet M-2, 4 pp. May.
- The Pink Bollworm. U. S. Dept. Agr. Picture Sheet 21, 2 pp. April.
- (76) Young, M. T.

 Control of Boll Weevil and Cotton Aphid With Benzene
 Hexachloride and Chlorinated Camphene in 1947. Jour.
 Econ. Ent. 41 (3): 401-403. June.

EQUIPMENT AND METHODS

- (77) Berndt, O. E.
 Installation of Windows in Panels of a Sedan Delivery Truck.
 U. S. Bur. Ent. and Plant Quar. ET-253, 5 pp. April.
 Processed.
- (78) Chisholm, R. D., and Fest, W. C.

 Laboratory Duster. U. S. Bur. Ent. and Plant Quar. ET-249,

 2 pp. January. Processed
- (79) _____Johnson, V. A., Mock, P. S.* and Marshall, C. V.*

 Refrigerator-Car Dusters. U. S. Bur. Ent. and Plant Quar.

 ET-254, 5 pp. April. /Processed./
- (80) Faulkner, Frank S., and Deonier, C. C.

 Equipment for Dispersing Insecticides From Aircraft. U. S.

 Bur. Ent. and Plant Quar. ET-262, 6 pp. October.

 Processed.
- (81) Johnson, George V.

 A Concentrate Sprayer for Experimental Use. U. S. Bur. Ent. and Plant Quar. ET-260, 2 pp. August. Processed.
- (82)

 A Small Field Duster. U. S. Bur. Ent. and Plant Quar. ET-259, 2 pp. July. Processed.
- (83) Keiser, Irving, and Henderson, C. F.

 An Apparatus to Facilitate DDT Extraction From Soil
 Samples. U. S. Bur. Ent. and Plant Quar. ET-261, 2 pp.
 August. Processed.
- (84) Madden, A. H., and Lindquist, A. W.
 Improvement of Nozzles for Applying Concentrated Insecticides
 as Fine-Mist Sprays. Jour. Econ. Ent. 41 (6): 919-924.
 December.
- (85) Poos, F. W., Potts, S. F., Anderson, L. D., and Brooks, J. W.*

 Tests With Mist Blowers to Control Various Insects. U. S.

 Bur. Ent. and Plant Quar. E-751, 8 pp. July. Processed.
- (86) Schechter, M. S., and Haller, H. L.

 Constant-Level Apparatus. Analyt. Chem. 20 (6): 696.

 June.

EQUIPMENT AND METHODS--Continued.

- (87) Silver, J. C.

 Embedding Beetles in Plastic. U. S. Bur. Ent. and Plant
 Quar. ET-263, 4 pp. November. Processed.
- (88) Stage, H. H., and Bishopp, F. C.

 Equipment for Dispersing Insecticides. Internatl. Cong. Trop.

 Med. and Mal. Proc. 4 (v. 2): 1729-1737. May.
- (89) United States Bureau of Entomology and Plant Quarantine
 Aircraft for Spraying and Dusting. U. S. Bur. Ent. and Plant
 Quar. EC-2. 23 pp. March. /Processed.
- (90) Yeomans, A. H.

 An Improved Aerosol Nozzle for Use on Engine Exhausts.

 U. S. Bur. Ent. and Plant Quar. ET-251, 4 pp. March.

 Processed.
- Field-Model Aerosol Machines. U. S. Bur. Ent. and Plant Quar. ET-258, 11 pp. July. Processed.
- (92) Yust, H. R., Welborn, I. A., Jr.,* and Nelson, H. D.

 Nylon Tents for Fumigation of Citrus. Calif. Citrog. 33 (9):

 382, 405, 406. July.

FOREST AND SHADE-TREE INSECTS AND TERMITES

- (93) Anderson, R. F.

 Host Selection by the Pine Engraver. Jour. Econ. Ent.
 41 (4): 596-602. August.
- (94) Baker, W. L.

 Transmission by Leafhoppers of the Virus Causing Phloem
 Necrosis of American Elm. Science 108 (2803): 307-308.
 September.
- (95) Corliss, John M.

 Gypsy Moth Control With DDT. New England Water Works
 Assoc. Jour. 62 (3): 191-195. September.
- Work of United States Department of Agriculture in Control of Gypsy Moth--Equipment and Material Used. Mass. Tree Wardens' and Foresters' Assoc. Proc. 36: ——. February.

FOREST AND SHADE-TREE INSECTS AND TERMITES--Continued.

- (97) Craighead, F. C.

 Concentrated Sprays Advance Forest Insect Control. U. S.

 Dept. Agr. Res. Achievement Sheet 111 (E), 2 pp. October.
- (98) Dowden, Philip B., Buchanan, W. D., and Carolin, V. M.
 Natural-Control Factors Affecting the Spruce Budworm. Jour.
 Econ. Ent. 41 (3): 457-463. June.
- (99) Griswold, C. L.

 Bulk Rearing of Scolytus multistriatus Marsh. and

 Hylurgopinus rufipes Eich. U. S. Bur. Ent. and Plant

 Quar. ET-252, 5 pp. March. /Processed./
- (100) Hoffmann, C. H., and Merkel, E. P.

 Fluctuations in Insect Populations Associated With Aerial
 Applications of DDT to Forests. Jour. Econ. Ent. 41 (3):
 464-473. June.
- (101) Hunt, G. M.,* and Snyder, T. E.

 An International Termite Exposure Test--Nineteenth Progress
 Report. Amer. Wood Preservers' Assoc. Proc. 44, 15 pp.
 April.
- (102) Kowal, R. J.

 Pine Sawfly in Southern Arkansas. South. Forestry Notes 57:
 2-3. September.
- (103) and St. George, R. A.

 Preliminary Results of Termite Soil-Poisoning Tests. (Sci. Note) Jour. Econ. Ent. 41 (1): 112-113. February.
- (104) Liming, O. N.

 Elm Bark Beetle Conference Committee Report on Dutch Elm
 Disease Control. Trees 8 (3): 7-8, 18, 20. March-April.
- Tracking Down a Foreign Invader--The Dutch Elm Disease.
 Trees 8 (4): 6-8, 18, 20, 24, 25. May-June.
- (106) McKenzie, Howard L., Gill, L. S.,* and Ellis, Don E.*

 The Prescott Scale (Matsucoccus vexillorum) and Associated Organisms That Cause Flagging Injury to Ponderosa Pine in the Southwest. Jour. Agr. Res. 76 (2): 33-51. January.

FOREST AND SHADE-TREE INSECTS AND TERMITES--Continued.

- (107) Middleton, William, and Bartley, H. N.

 Preliminary Survey for Distribution of Phyllobius intrusus

 Kono in Southern New England. Eastern Plant Board

 Proc. 1948: ——. November. /Processed./
- (108) Snyder, Thomas E., and Zetek, James
 Inspection of Test Buildings Treated for Termites on Barro
 Colorado Island, Canal Zone, Panama. Pests and Their
 Control 16 (3): 8, 10, 12, 14. March.
- (109) United States Bureau of Plant Industry, Soils, and Agricultural Engineering,* and Bureau of Entomology and Plant Quarantine Decay and Termite Damage in Houses. U. S. Dept. Agr., Farmers' Bul. 1993, 20 pp. March.
- (110) Whitten, R. R., and Swingle, R. U.

 The Status of Research on Two Epidemic Elm Diseases. Natl.

 Shade Tree Conf. Proc. 24: 113-123. 1948.

FRUIT INSECTS, INCLUDING JAPANESE BEETLE

- (111) Allen, H. W.

 How to Use Parasites Against the Oriental Fruit Moth. U. S.

 Bur. Ent. and Plant Quar. EC-3, 4 pp. April. Processed.
- (112) Barger, W. R.,* Pentzer, W. T.,* and Fisher, C. K.

 Low Temperature Storage Retains Quality of Dried Fruit.

 Food Indus. 20 (3): F1-F4. March.
- (113) Barnes, D. F., and Lindgren, D. L.

 Progress of Work on Beetle Infestation in Dates. Date
 Growers' Inst. Proc. 24: 3, 4. January.
- (114) Brewer, E. G.
 Chemicals Used in Jap Beetle Control. Agr. Chem. 3 (1): 41,
 43. January.
- (115) Brunson, M. H.

 Secondary Parasites of the Oriental Fruit Moth Through

 Macrocentrus ancylivorus Roh. (Sci. Note) Jour. Econ,

 Ent. 41 (1): 119-120. February.
- (116) and Allen, H. W.
 Oriental Fruit Moth Cocoon Parasites. Jour. Econ. Ent. 41
 (3): 446-450. June.

- (117) Carlson, F. W.

 Tests of Toxicants for the Peach Silver Mite. (Sci. Note)

 Jour. Econ. Ent. 41 (5): 836. October.
- (118) ____ and Newcomer, E. J.

 Habits and Control of the Pear Psylla in Washington. Wash.

 State Hort. Assoc. Proc. 48: 139-141. December.
- Yothers, M. A., and Dean, F. P.

 DDT, Benzene Hexachloride, and Sabadilla to Control Climbing
 Cutworms on Peaches and Apricots. (Sci. Note) Jour.
 Econ. Ent. 41 (4): 655. August.
- (120) Chisholm, R. D.,,and Mason, A. C.

 Ethylene Dibromide-Chlordane Dip for Treating Plant Balls

 Infested With Various Stages of the Japanese Beetle. U.S.

 Bur. Ent. and Plant Quar. E-757, 2 pp. October. Processed.
- (121) _____ and Mason, A. C.

 Japanese Beetle Control With Aqueous Solutions of Ethylene
 Dibromide. Down to Earth Dow Chemical Co. 4 (1):
 18-19. Summer issue.
- (122) Clancy, D. W., and Pollard, H. N.

 Effect of DDT on Several Apple Pests and Their Natural

 Enemies. Jour. Econ. Ent. 41 (3): 507-508. June.
- (123) Dean, F. P., and Newcomer, E. J.

 Comparative Efficiency of Materials for Controlling Orchard

 Mites. Wash. State Hort. Assoc. Proc. 48: 131-133.

 December.
- (124) Fleming, W. E.
 Chlordan for Control of Japanese Beetle Larvae. Jour. Econ.
 Ent. 41 (6): 905-912. December.
- (125)

 Effect on Plants of DDT Applied to Soil for the Destruction of Japanese Beetle Larvae. U. S. Bur. Ent. and Plant Quar. E-737, rev., 48 pp. August. Processed
- (126) Frazier, Norman W., and Barnes, Dwight F.

 Experiments for Control of the Grape Leaf Folder in
 California. Jour. Econ. Ent. 41 (3): 441-442. June.

- (127) Gambrell, F. L.,* and Mason, A. C.

 Insecticidal and Phytotoxic Properties of Plant Dips Used to
 Control the European Chafer. Jour. Econ. Ent. 41 (2):
 258-263. April.
- (128) Gould, Edwin, and Hamstead, Elwood O.

 Control of the Red-Banded Leaf Roller. Jour. Econ. Ent.
 41 (6): 887-890. December.
- (129) Hadley, C. H.

 Control of the Japanese Beetle by Means of the Milky Disease.

 Plants and Gardens Brooklyn Botanic Garden Record

 (n.s. 3) 4: 188-190. Autumn issue.
- (131) Hamilton, Donald W.

 Pear Psylla Control in the Hudson River Valley in 1947. N. Y.

 Hort. Soc. Proc. 93: 171-179. 1948.
- Pear Psylla Control With Dormant Sprays. Jour. Econ. Ent. 41 (3): 443-445. June.
- Summer Control of the Pear Psylla During 1947. Jour. Econ. Ent. 41 (2): 244-248. April.
- (134) Moznette, G. F.

 The Pecan Weevil and Latest Developments in Control.

 Southeast. Pecan Growers' Assoc. Proc. 41: 79-82. 1948.
- (135) Munger, Francis

 Body-Temperature Measurements of the California Red Scale.

 Jour. Econ. Ent. 41 (3): 422-423. June.
- Reproduction and Mortality of California Red Scales Resistant and Nonresistant to Hydrocyanic Acid Gas, as Affected by Temperature. Jour. Agr. Res. 76 (7 and 8): 153-163.

 April.

- (137) Munger, Francis, and Cressman, A. W.

 Effect of Constant and Fluctuating Temperatures on the Rate
 of Development of California Red Scale. Jour. Econ. Ent.
 41 (3): 424-427. June.
- (138) Newcomer, E. J.

 Evaluation of Materials for Controlling Orchard Mites and the
 Woolly Apple Aphid. Wash. State Hort. Assoc. Proc. 43:
 19-23. 1948.
- (139) ____ and Dean, F. P.

 Studies of Orchard Acaricides. Jour. Econ. Ent. 41 (5): 691-694.

 October.
- (140) Nickels, C. B.

 <u>Cameraria caryaefoliella</u> Clemens, A Pest on Pecan. (Sci. Note) Jour. Econ. Ent. 41 (1): 114. February.
- DDT and Other Insecticides for the Pecan Nut Casebearer.
 Tex. Pecan Growers' Assoc. Proc. 27: 28-33. October.
- and Pierce, W. C.

 Relation Between Overwintering Population of Pecan Nut
 Casebearer and Injury to the Next Crop of Nuts. Tex.
 Pecan Growers' Assoc. Proc. 27: 79-84. October.
- (143) Osburn, Max R., and Mathis, Willis

 Effect of DDT on Florida Red Scale Populations. Jour. Econ.

 Ent. 41 (3): 454-456. June.
- (144) Phillips, A. M.

 DDT for Control of the Pecan Nut Casebearer in the Southeastern States. Southeast. Peaan Growers' Assoc. Proc.
 41: 82-83. 1948.
- Tests With DDT for Control of the Pecan Nut Casebearer in the Southeastern States. U. S. Bur. Ent. and Plant Quar. E-746, 3 pp. April. Processed
- (146) Porter, B. A.
 Insect Control. East. Fruit Grower 11 (7): 5, 6, 20, 22.
 September.

- (147) Porter, B. A.

 Parathion and Chlordane Join DDT in Insect Battle. Amer.

 Fruit Grower 68 (2): 19, 44. February.
- (148) Richardson, Henry H.

 Present Status of the Citrus Blackfly and Its Parasite

 Eretmocerus serius at Nassau, Bahamas. (Sci. Note)

 Jour. Econ. Ent. 41 (6): 980-981. December.
- (149) Siegler, E. H., and Gertler, S. I.

 Laboratory Tests of N-Substituted m-Nitrobenzamides Against the Codling Moth. (Sci. Note) Jour. Econ. Ent. 41 (4): 658-659. August.
- (150) Snapp, Oliver I.

 Control of Plum Curculio and Oriental Fruit Moth. Natl. Peach
 Council, Peach Ann. 1948: 15-18. May.
- Control of Sucking Bugs That Cause Deformed Peaches. Jour. Econ. Ent. 41 (4): 555-557. August.
- New Insecticides for Control of the Plum Curculio on Peach.

 Jour. Econ. Ent. 41 (4): 569-574. August.
- (153) Spencer, Herbert, and Osburn, Max R.

 Randomized-Block Arrangement for Insecticide Experiments
 on Citrus Trees. Fla. Ent. 22 (1): 1-7. March.
- (154) Stafford, E. M.,* and Barnes, D. F.

 Biology of the Fig Scale in California. Hilgardia 18 (16):
 567-598. November.
- (155) Steiner, L. F., McAlister, H. J., and Summerland, S. A.

 Control of the Red-Banded Leafroller in the Middle West.

 N. Y. State Hort. Soc. Proc. 93: 57-64. June.
- (156) Summerland, S. A., McAlister, H. J., and Fahey, J. E.
 Studies of New Insecticides for Control of Apple Insects.
 Ind. Hort. Soc. Trans. 1947: 29-46. December.

- (157) United States Bureau of Entomology and Plant Quarantine
 Japanese Beetle. U. S. Dept. Agr. Picture Sheet 4, rev.,
 2 pp. February.
- (158) Van Leeuwen, E. R.
 Attractiveness of Pine-Tar Oil in Baits for Codling Moth
 Control. Jour. Econ. Ent. 41 (3): 345-351. June.
- (159) White, R. T.

 Application of Milky-Disease Spore Dust With a Commercial Fertilizer. (Sci. Note) Jour. Econ. Ent. 41 (1): 113-114.

 February.
- (160) Yothers, M. A., and Carlson, F. W.

 The Effect of DDT on the Green Peach Aphid and Its Coccinellid

 Predators. (Sci. Note) Jour. Econ. Ent. 41 (3): 515-516.

 June.

INSECTICIDES -- CHEMICAL PAPERS

- (161) Bowen, C. V., and Pogorelskin, Milton A.

 Determination of the Gamma-Isomer Content of Benzene
 Hexachloride. Analyt. Chem. 20 (4): 346-348. April.
- (162) Carter, R. H.

 DDT Residues in Agricultural Products. Indus. and Engin.

 Chem. 40 (4): 716-717. April.
- Report on DDT in Food. Assoc. Off. Agr. Chem. Jour. 31 (2): 355-358. May.
- Hubanks, P. E., Mann, H. D., Alexander, Lucy M.,* and Schopmeyer, Grace E.*

 Effect of Cooking on the DDT Content of Beef. Science 107 (2779): 347. April.
- (165) Hubanks, P. E., Mann, H. D., Zeller, J. H.,* and Hankins, O. G.*

 The Storage of DDT in the Tissues of Pigs Fed Beef Containing

 This Compound. Jour. Anim. Sci. 7 (4): 509-510. November.
- (166) Cristol, S. J., and Haller, H. L.

 The Isolation of 1,1-Dichloro-2-o-chlorophenyl-2-p-chlorophenylethane from Technical TDE. Amer. Chem. Soc. Jour. 70 (4): 1323-1324. April.

INSECTICIDES--CHEMICAL PAPERS--Continued.

- (167) Fleck, Elmer E.

 The Preparation of a, a, a'-4,4'-Pentachlorobibenzyl, an Isomer of DDT. Amer. Chem. Soc. Jour. 70 (6): 2173.

 June.
- (168) Fulton, R. A.

 Carbon Dioxide as a Propellent for Insecticide Solutions. U. S.

 Bur. Ent. and Plant Quar. E-739, 3 pp. January. /Processed./
- Propellents for Low-Pressure Liquefied-Gas Aerosols. Indus. and Engin. Chem. 40 (4): 699-700. April.
- (170) Gooden, E. L., and Updike, R. L., Jr.

 Storage Tests on Conditioned and Wettable Powders Containing
 90 Percent of DDT. U. S. Bur. Ent. and Plant Quar. E-758,
 3 pp. October. Processed.
- (171) Green, Nathan, and LaForge, F. B.

 The Employment of Sodium Hydride as a Condensing Agent.

 Amer. Chem. Soc. Jour. 70 (6): 2287-2288. June.
- and LaForge, F. B.

 The Reaction of Benzyl Bromide With Ethyl &-Acetoxyacetoacetate.

 Amer. Chem. Soc. Jour. 70 (8): 2812-2813. August.
- (173) Hall, S. A., and Jacobson, Martin
 Chemical Assay of Tetraethyl Pyrophosphate. Agr. Chem.
 3 (7): 30-31. July.
- and Jacobson, Martin

 Hexaethyl Tetraphosphate and Tetraethyl Pyrophosphate. Indus.

 and Engin. Chem. 40 (4): 694-699. April.
- (175) Haller, H. L.

 Chemistry and Formulations of Some Insecticides Useful in

 Medical and Veterinary Entomology. Internatl. Cong. Trop.

 Med. and Mal. Proc. 4 (v. 2): 1721-1727. May.
- (176) Hazen, A. C., and Fulton, R. A.

 A Method for the Determination of Freon-Insoluble Matter in
 Pyrethrum Extracts. U. S. Bur. Ent. and Plant Quar.
 ET-257, 4 pp. July. Processed.

 LIBRARY

 CTATE PLANT BOARD

INSECTICIDES--CHEMICAL PAPERS--Continued

- (177) Jacobson, Martin
 Herculin, A Pungent Insecticidal Constituent of Southern
 Prickly Ash Bark. Amer. Chem. Soc. Jour. 70 (12):
 4234-4237. December.
- (178) Hall, S. A.

 Determination of Phosphorus in Hexaethyl Tetraphosphate and
 Tetraethyl Pyrophosphate. Analyt. Chem. 20 (8): 736-737.

 August.
- (179) LaForge, F. B., Green, Nathan, and Gersdorff, W. A.

 Constituents of Pyrethrum Flowers. XXII. Synthesis and
 Relative Toxicity of Two Isomers of Cinerin I. Amer.

 Chem. Soc. Jour. 70 (11): 3707-3711. November.

INSECTICIDES--GENERAL PAPERS

- (180) Anderson, Roger F.

 Relation of Droplet Size to Toxicity in Residual-Type DDT-Oil

 Sprays. Jour. Econ. Ent. 41 (6): 974-976. December.
- (181) Bottger, G. T., and Yerington, A. P.

 Preliminary Tests of Synthetic Organic Compounds as
 Insecticides. Part V. U. S. Bur. Ent. and Plant Quar.
 E-744, 14 pp. March. Processed
- Yerington, A. P., and Gertler, S. I.

 Preliminary Tests on N-Substituted p-Nitrobenzamides as
 Insecticides. U. S. Bur. Ent. and Plant Quar. E-764, 10 pp.
 December. Processed
- (183) Bowen, C. V., and Weigel, C. A.

 Comparative Toxicity of Nicotine, Nornicotine, and Anabasine
 to Green Peach Aphid. (Sci. Note) Jour. Econ. Ent. 41 (1):
 117. February.
- (184) Fales, J. H., Nelson, R. H., Ball, W. H., and Fulton, R. A.
 Storage of Aerosols. Soap and Sanit. Chem. 24 (11): 127, 129.
 November.
- (185) Fleck, Elmer E.
 Report on DDT. Assoc. Off. Agr. Chem. Jour. 31 (2): 368-372.
 May.

INSECTICIDES--GENERAL PAPERS--Continued.

- (186) Fleck, Elmer E.

 Residual Action of Organic Insecticides. Indus. and Engin.

 Chem. 40 (4): 706-708. April.
- (187) Haller, H. L., and Cristol, S. J.

 The Development of New Insecticides. In Advances in Military

 Medicine, v. 2, pp. 621-626. May.
- (188) Osburn, Max R.

 Comparison of DDT, Chlordane, and Chlorinated Camphene for
 Control of the Little Fire Ant. Fla. Ent. 31 (1): 11-15.

 March.
- (189) Yerington, A. P., and Gertler, S. I.

 Tests of Certain Synthetic Organic Compounds Against the
 Two-Spotted and Related Mites. U. S. Bur. Ent. and Plant
 Quar. E-747, 5 pp. April. Processed.

INSECTS AFFECTING MAN AND ANIMALS

- (190) Barrett, W. L., Jr., and Wells, R. W.

 Transplantation of <u>Hypoderma</u> Larvae and Testing Chemicals for Control of Larvae in Experimental Hosts. Jour. Econ. Ent. 41 (5): 779-782. October.
- (191) Bishopp, F. C., and Knipling, E. F.
 Insecticides Applied on Livestock. Indus. and Engin. Chem.
 40 (4): 713-716. April.
- (192) and Stage, H. H.

 A Review of World Activities Relating to Mosquitoes During
 1947. N. J. Mosquito Extermin. Assoc. Proc. 35; 46-65.
- (193) Blakeslee, E. B., and Bruce, W. G.

 DDT To Control the Cattle Tick--Preliminary Tests. (Sci.

 Note) Jour. Econ. Ent. 41 (1): 104-105. February.
- (194) Bruce, W. G.

 Flies As Pests and Disease Carriers. Internatl. Cong. Trop.

 Med. and Mal. Proc. 4 (v.2): 1638-1644. May.
- (195) ____ and Blakeslee, E. B.

 Control of Salt-Marsh Sand Flies and Mosquitoes With DDT
 Insecticides. Mosquito News 8 (1): 26-28. March.

- (196) Bruce, W. G., and Blakeslee, E. B.

 Factors Affecting Tests With DDT Sprays To Control Horn
 Flies. Jour. Econ. Ent. 41 (1): 39-42. February.
- (197) Bushland, R. C.
 Insecticides for the Control of Flies Attacking Man and
 Animals. Internatl. Congress Trop. Med. and Mal. Proc.
 4 (v.2): 1670-1677. May.
- Wells, R. W., and Radeleff, R. D.*

 Effect on Livestock of Sprays and Dips Containing New
 Chlorinated Insecticides. Jour. Econ. Ent. 41 (4):
 642-645. August.
- (199) Cross, H. F.
 Use of Powders on Clothing for Protection Against Chiggers.
 Jour. Econ. Ent. 41 (5): 731-734. October.
- (200) and Snyder, F. M.*

 Field Tests of Uniforms Impregnated With Mite Toxicants:

 I, Protection Studies. Jour. Econ. Ent. 41 (6): 936-940.

 December.
- (201) Culpepper, G. H.

 Rearing and Maintaining a Laboratory Colony of Body Lice on
 Rabbits. Amer. Jour. Trop. Med. 28 (3): 499-504. May.
- (202) Deonier, C. C., Fluno, J. A., and Nottingham, E.

 Preflooding Treatments for Mosquito Control. Science
 107 (2768): 6304. January.
- (203) Division of Insects Affecting Man and Animals

 The New Insecticides for Controlling External Parasites of
 Livestock. U. S. Bur. Ent. and Plant Quar. E-762, 16 pp.

 December. Processed
- (204) Downs, W. G.,* Iris, R. C.,* and Gahan, J. B.

 Residual Effectiveness of DDT in the Third Season After
 Application. Amer. Jour. Trop. Med. 28 (5): 741-745.
 September.
- (205) Eddy, G. W.

 The Treatment of Head Lice With the MYL and DDT Louse
 Powders and the NBIN Emulsion. Amer. Jour. Hyg. 47 (1):
 29-32. January.

- (206) Eddy, G. W.

 Preliminary Evaluations of Some New Synthetic Organic

 Compounds as Scabicides. Jour. Invest. Dermatol. 12 (2):
 117-123. February.
- and Bushland, R. C.

 Compounds More Toxic Than DDT to Body Lice. Jour. Econ.
 Ent. 41 (3): 369-373. June.
- (208) and Carson, N. B.
 Organic Compounds Tested Against Body Louse Eggs. Jour.
 Econ. Ent. 41 (1): 31-36. February.
- (209) Gahan, J. B., Gilbert, I. H., Peffly, R. L., and Wilson, H. G.

 Comparative Toxicity of Four Chlorinated Organic

 Compounds to Mosquitoes, House Flies, and Cockroaches.

 Jour. Econ. Ent. 41 (5): 795-801. October.
- (210) Gersdorff, W. A., and Nelson, R. H.

 Toxicity to House Flies of Three Phosphorus Acid Esters.

 (Sci. Note) Jour. Econ. Ent. 41 (2): 333-334. April.
- (211) _____ and Schechter, M. S.

 Space Spray Toxicity--Toxicity to House Flies of Space
 Sprays Containing Certain Diaryl Ethers and Pyrethrum
 Extract. Soap and Sanit. Chem. 24 (6): 155, 157. June.
- (212) Graham, Owen H., and Eddy, Gaines W.

 Persistence of Chlorinated Camphene as a Fleece Worm

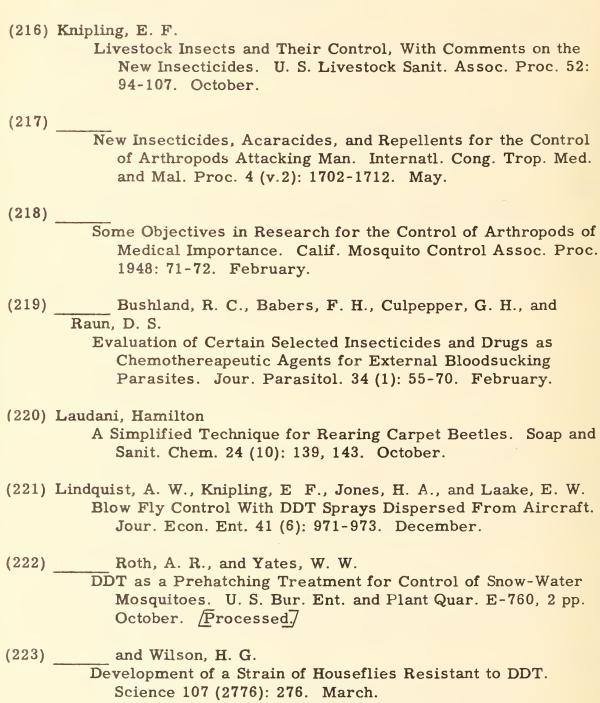
 Larvicide. (Sci. Note) Jour. Econ. Ent. 41 (3): 521. June.
- (213) Greenwald, M., Cochran, J. N.,* and Scharff, D. K.

 Large-Scale Rearing of Anopheles quadrimaculatus Say at
 Orlando, Fla. Mosquito News 8 (2): 50-56. June.
- (214) King, W. V.

 Man-Made Malaria. Internatl. Cong. Trop. Med. and Mal.

 Proc. 4 (v.1): 860-864. May.
- Some Results of Recent Work on the Newer Insecticides.

 Amer. Jour. Trop. Med. 28 (3): 487-497. May.



(224) Linduska, J. P., and Morton, F. A.

Tests of the Permeability of Fabrics to Biting by Mosquitoes.

Jour. Econ. Ent. 41 (5): 788-794. October.

- (225) Linduska, J. P., Morton, F. A., and McDuffie, W. C.*

 Tests of Materials for the Control of Chiggers on the Ground.

 Jour. Econ. Ent. 41 (1): 43-47. February.
- (226) Madden, A. H., and Lindquist, A. W.

 Improvement of Nozzles for Applying Concentrated Insecticides as Fine Mist Sprays. Jour. Econ. Ent. 41 (6): 919-924. December.
- (227) Piquett, Price G.

 Benzene Hexachloride and Cornstarch as a Roach-Control

 Combination. (Sci. Note) Jour. Econ. Ent. 41 (2):

 326-327. April.
- (228) Roth, A. R., and Lindquist, A. W.

 Ecological Notes on the Deer Fly at Summer Lake, Oregon.

 Jour. Econ. Ent. 41 (3): 473-476. June.
- (229) Schroeder, H. O., Jones, H. A., and Lindquist, A. W.

 Certain Compounds Containing the Methylenedioxyphenyl

 Group as Synergists for Pyrethrum to Control Flies and

 Mosquitoes. Jour. Econ. Ent. 41 (6): 890-894. December.
- (230) Smith, C. N., and Burnett, D., Jr.

 Laboratory Evaluation of Repellents and Toxicants as Clothing

 Treatments for Personal Protection From Fleas and Ticks.

 Amer. Jour. Trop. Med. 28 (4): 599-607. July.
- (231) Smith, Charles L.

 Chlorinated Hydrocarbon Insecticides for Control of the Horn
 Fly on Dairy Cattle in Texas. (Sci. Note) Jour. Econ. Ent.
 41 (6): 981-982. December.
- (232) Snyder, F. M.,* and Cross, H. F.

 Field Tests of Uniforms Impregnated With Mite Toxicants.

 Part II, Stopping-Time Studies. Jour. Econ. Ent. 41 (6):
 940-941. December.
- (233) Stage, H. H.

 Mosquito Control Tests From the Arctic to the Tropics.

 Smithsn. Inst. Ann. Rpt. 1947: 349-366. December.
- Vespid Preying on Anophelines. Mosquito News 8 (2): 73. June.

- (235) United States Bureau of Entomology and Plant Quarantine
 Save Grain by Controlling Livestock Pests! U. S. Dept. Agr.,
 Off. Food and Feed Conserv. Fact Sheet 4, 3 pp. March.
- (236) Wilson, H. G., and Gahan, J. B.
 Susceptibility of DDT-Resistant Houseflies to Other Insecticidal Sprays. Science 107 (2776): 276-277. March.
- (237) Yates, W. W.

 Comparison of the Toxicity of DDT, TDE, and the Methoxy
 Analog of DDT to Several Species of Mosquitoes. Calif.
 Mosquito Control Assoc. Ann. Conf. Proc. 16: 49-51.
 February.
- (238) _____ Lindquist, A. W., and Mote, D. C.*

 Suggestions for Mosquito Control in Oregon. Oreg. Agr. Expt.

 Sta. Inf. Cir. 428, 7 pp. April. Processed.

PLANT-DISEASE CONTROL

- (239) Kouba, T. F.
 White Pine Is Coming Back in Wisconsin. Forestry News 3
 (5): 4. May
- (240) Martin, J. F.

 Chemical Methods for Eradicating Ribes Aid White Pine
 Blister Rust Control. U. S. Dept. Agr. Res. Achievement
 Sheet 98 (E), 2 pp. August. Processed.
- (241) Melander, L. W., and Busdicker, H. S.

 Effect of Esters and Amine Salts of 2,4-D When Applied to Cut

 Surfaces of the Canes of European Barberry. North Central

 States Weed Control Conf. 5 (Sect. 6), Abstract 23. December.

 Processed
- Lungren, E. A., and Watson, W. M.

 Effect of Foliage Sprays With Various 2,4-D Acid Formulations on Native Barberries. North Central States Weed Control Conf. 5 (Sect. 6), Abstract 24. December. Processed.
- (243) Nagel, C. M.
 Stem Rust. U. S. Dept. Agr., Ext. Serv. Leaflet 110, 12 pp.
 February.

PLANT-DISEASE CONTROL--Continued.

- (244) Offord, H. R.

 Tests of the Helicopter Over Mountain Terrain for Spraying
 Woody Perennials (Ribes) With 2,4-D. North Central
 States Weed Control Conf. 5 (Sec. 6), Abstract 32.
 December. Processed.
- and Moss, V. D.

 Comparison of the Toxicity of 2,4-D and 2,4,5-T to Ribes.

 North Central States Weed Control Conf. 5 (Sect. 6),

 Abstract 31. December. Processed.
- (246) Sovulewski, R., and Harris, T. H.

 A Method for the Classification of Sugar Pine Land According to Expected Yield. Jour. Forestry 46 (6): 432-437. June.
- (247) Stakman, E. C., and Loegering, W. Q.

 Physiologic Races of <u>Puccinia graminis</u> in the United States in 1944. Minn. Agr. Expt. Sta. Paper (Sci. Jour. Ser.) 2419, 8 pp. July.
- (248) United States Bureau of Entomology and Plant Quarantine Stem Rust. U. S. Dept. Agr. Picture Sheet 23, 2 pp. October.
- White Pine Blister Rust. U. S. Dept. Agr. Picture Sheet 22, 2 pp. December.

STORED-PRODUCTS PESTS

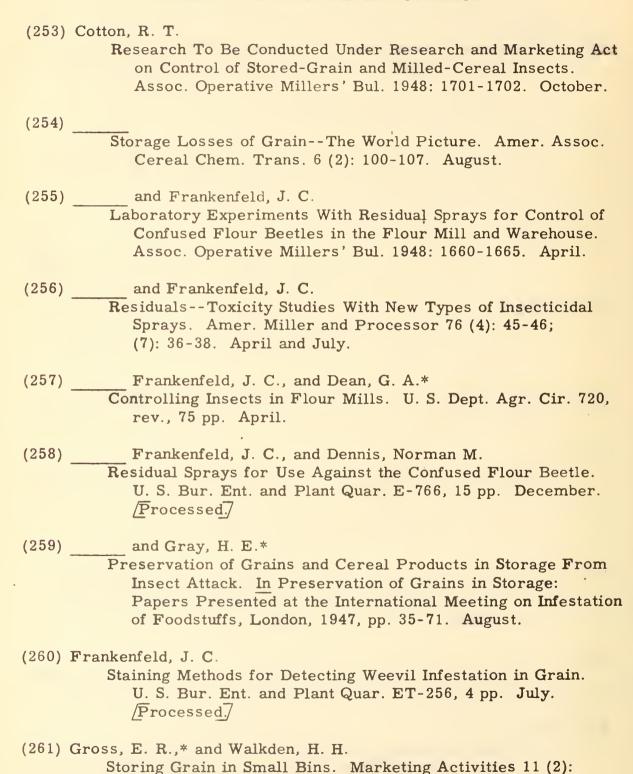
- (250) Bare, C. O.

 Effect of Prolonged Exposure to High Vacuum on StoredTobacco Insects. (Sci. Note) Jour. Econ. Ent. 41 (1):
 109-110. February.
- Laboratory Tests With Fumigants for Insects Infesting Stored
 Tobacco. Jour. Econ. Ent. 41 (1): 13-15. February.
- (252) Cotton, R. T.

 Control of Insects Attacking Farm-Stored Corn. U. S. Bur.

 Ent. and Plant Quar. EC-5, 4 pp. August. Processed.

STORED-PRODUCTS PESTS--Continued.



10-12. February.

STORED-PRODUCTS PESTS--Continued.

- (262) United States Bureau of Entomology and Plant Quarantine
 Save Farm Grain by Fumigation. U. S. Dept. Agr., Cabinet
 Food Conserv. Fact Sheet M-1, 2 pp. January.
- (263) ______Save Farm-Stored Grain From Insects. U. S. Dept. Agr., Off. Food and Feed Conserv. Fact Sheet 2, 3 pp. March.
- Save Grain by Controlling Pantry Pests. U. S. Dept. Agr., Off.
 Food and Feed Conserv. Fact Sheet 1, 2 pp. January.
- (265) White, W. H.

 Report on Experiments With Methyl Bromide as a Fumigant for Stored Tobacco. U. S. Bur. Ent. and Plant Quar. E-753, 10 pp. August. /Processed./

TAXONOMY

- (266) Anderson, W. H.

 A Key to the Larvae of Some Species of Hypera Germar, 1817

 (-Phytonomus Schoenherr, 1823). Ent. Soc. Wash. Proc.
 50 (2): 25-34. February.
- (267) Baker, Edward W.

 A New Trichadenid Mite Which Further Indicates a Phylogenetic Relationship Between the Tetranychidae and Eriophyidae.

 Ent. Soc. Wash. Proc. 50 (3): 59-60. March.
- and Strandtmann, R. W.

 Myrmonyssus chapmani, A New Species of Hypoaspid Mite
 (Acarina: Laelaptidae). Jour. Parasitol. 34 (5): 386-388.

 May.
- (269) Buchanan, L. L.

 A New Species of Stenoscelis, and Notes on Other Curculionidae
 (Coleoptera). Brooklyn Ent. Soc. Bul. 43 (2): 61-66. April.
- (270) Capps, Hahn W.

 Status of the Pyraustid Moths of the Genus Leucinodes in the New World, With Descriptions of New Genera and Species.

 U. S. Natl. Mus. Proc. 98 (3223): 69-83.

TAXONOMY--Continued.

- (271) Chamberlin, F. S., and Tippins, H. H.*

 Microtheca ochroloma, an Introduced Pest of Crucifers Found in Alabama. (Sci. Note) Jour. Econ. Ent. 41 (6): 979-980.

 December.
- (272) Crawford, J. C.

 A New Genus of Urothripidae From Guatemala (Thysanoptera).

 Ent. Soc. Wash. Proc. 50 (2): 39-40. February.
- (273) _____A New Parallothrips From Cyprus (Thysanoptera, Phaleothripidae). Ent. Soc. Wash. Proc. 50 (8): 213-215. August.
- A New Species of Frankliniella on Hemerocallis (Thysanoptera: Thripidae). Ent. Soc. Wash. Proc. 50 (4): 83-84. April.
- On the Neotropical Species of the Genus <u>Taeniothrips</u> (Thysanoptera, Thripidae). Ent. Soc. Wash. Proc. 50 (3): 53-57. March.
- (276) Fisher, W. S.

 Results of the Oxford University Cayman Islands Biological
 Expedition, 1938. Descriptions of Five New Species and
 One Variety of Cerambycidae (Coleoptera). Ent. Monthly
 Mag. 84 (1013): 225-228. October.
- (277) Gahan, J. B.

 The Herbert H. Smith Collection of South American
 Chalcidoidea Described by W. H. Ashmead. Wash. Acad.
 Sci. Jour. 38 (7): 243-245. July.
- (278) Gurney, A. B.

 Notes on Nearctic Hemerobiidae, With Descriptions of Two
 New Species (Neuroptera). Ent. Soc. Amer. Ann. 41 (2):
 213-222. June.
- (279) _____ The Taxonomy and Distribution of the Grylloblattidae (Orthoptera). Ent. Soc. Wash. Proc. 50 (4): 86-102. April.
- (280) Hall, David G., and Bohart, George E.

 The Sarcophagidae of Guam (Diptera). Ent. Soc. Wash. Proc.
 50 (5): 127-135. May.

TAXONOMY--Continued.

(281) Krombein, Karl V.

The Identity of the Male of <u>Pseudomethoca simillima</u> (Smith) (Hymenoptera: Mutillidae). Ent. News 59 (7): 187-189. July.

- Liberation of Oriental Scolioid Wasps in the United States From 1920 to 1946 (Hymenoptera: Scoliidae, Tiphiidae). Ent. Soc. Amer. Ann. 41 (1): 58-62. March.
- Synonymical Notes on North American Sphecoid Wasps: I and II (Hymenoptera). Brooklyn Ent. Soc. Bul. 43 (1): 18-21.
 February.
- (284) Lane, M. C.

 Some Generic Corrections in the Elateridae. I and II. Ent.

 Soc. Wash. Proc. 50 (7): 179-182, October; 50 (8): 221-223.

 November.
- (285) Mason, H. C.

 Chremylus rubiginosus (Nees.), a Braconid Parasite of the

 Casemaking Clothes Moth. Ent. Soc. Amer. Ann. 41 (1):

 28-40. March.
- (286) Oman, P. W.

 A Leafhopper Injurious to Cultivated Prune in the Western
 United States. (Sci. Note) Jour. Econ. Ent. 41 (6): 983.

 December.
- Notes on the Beet Leafhopper <u>Circulifer tenellus</u> (Baker) and Its Relatives (Homoptera: Cicadellidae). Kans. Ent. Soc. Jour. 21 (1): 10-14. January.
- (288) Russell, Louise M.

 The North American Species of Whiteflies of the Genus

 Trialeurodes. U. S. Dept. Agr. Misc. Pub. 635, 83 pp.

 March.
- (289) Sabrosky, C. W.

 A Further Contribution to the Classification of the North

 American Spider Parasites of the Family Acroceratidae

 (Diptera). Amer. Midland Nat. 39 (2): 382-430. March.

TAXONOMY--Continued.

- (290) Sabrosky, C. W.
 - A Synopsis of the Nearctic Species of Elachiptera and Related Genera (Diptera, Chloropidae). Wash. Acad. Sci. Jour. 38 (11): 365-382. November.
- Winthemia citheroniae, New Species, With Notes on the Correct
 Name of W. cecropia (Diptera, Larvaevoridae). Ent. Soc.
 Wash. Proc. 50 (3): 63-67. March.
- (292) Sailer, R. I.

 The Genus Trichocorixa (Corixidae-Hemiptera). Kans. Univ.
 Sci. Bul. 32: 289-407.
- (293) Satterthwait, A. F.

 Supplement to "Key to Known Pupae of the Genus Calendra,

 With Host-Plant and Distribution Notes." Ent. Soc. Amer.

 Ann. 41 (3): 369-370. September.
- (294) Smith, M. R.

 A New Genus and Species of Ant From India (Hymenoptera: Formicidae). N. Y. Ent. Soc. Jour. 56 (4): 205-208.

 December.
- A New Species of Myrmecina From California (Hymenoptera, Formicidae). Wash. Ent. Soc. Proc. 50 (9): 238-240. September.
- (296) Stone, Alan

 Entomology: Simulium virgatum Coquillett and a New Related
 Species (Diptera, Simuliidae). Wash. Acad. Sci. Jour. 38

 (12): 399-404. December.
- (297) and Penn, George Henry*

 A New Subgenus and Two New Species of the Genus Culex L.

 (Diptera, Culicidae). Wash. Ent. Soc. Proc. 50 (5): 109-120.

 May.

TRUCK CROP, GARDEN, AND GREENHOUSE INSECTS

- (298) Brierley, Philip,* and Smith, Floyd F.

 American Research on Virus Diseases of Lilies. The Lily
 Yearbook, 1948 Roy. Hort. Soc., London 12: 31-35.
 December.
- (299) and Smith, Floyd F.

 Canna Mosaic in the United States. Phytopathology 38 (3):
 230-234. March.
- (300) and Smith, Floyd F.

 Current Status of Gladiolus Virus Disease Problems. Gladiolus

 Mag. New England Gladiolus Soc. 12 (1): 38-40, 46.

 February.
- (301) and Smith, Floyd F.

 Two Additional Mosaic Diseases of Iris. (Abstract) Phytopathology 38 (7): 574-575. July.
- (302) Brindley, T. A., Hinman, F. G., and Schopp, R.

 New Insecticides Tested on Pea Insects. Agricultural Research
 in Idaho. Idaho Agr. Expt. Sta. Ann. Rpt. 55 (Bul. 270):
 33-34. July.
- (303) Schopp, R., and Hinman, F. G.

 Field Tests Versus Laboratory Tests With DDT Against the
 Pea Weevil. (Sci. Note) Jour. Econ. Ent. 41 (5): 832-833.

 October.
- (304) Cockerham, K. L., and Deen, O. T.

 Insecticide Tests in Field Plots for Control of the Sweetpotato
 Weevil. Jour. Econ. Ent. 41 (4): 563-565. August.
- (305) and Deen, O. T.

 New Insecticides Continue Promising Against Cabbage Caterpillars and Turnip Aphids. La. Agr. Expt. Sta. Ann. Rpt.

 (Research in Agriculture) 1946-47: 118-119. March.
- (306) Harrison, P. K., and Deen, O. T.

 Insecticide Tests Against the Sweetpotato Weevil During 1947.

 La. Agr. Expt. Sta. Ann. Rpt. (Research in Agriculture)

 1946-47: 119-120. March.
- (307) Cook, William C., Lane, Merton C., and Stone, M. W.

 Control of Wireworms in Irrigated Lands With Ethylene Dibromide.

 U.S. Bur. Ent. and Plant Quar. EC-6, 8 pp. December. Processed

TRUCK CROP, GARDEN, AND GREENHOUSE INSECTS--Continued.

- (308) Davis, E. W., and Landis, B. J.

 A Potato Resistant to Tuber Infestation by Flea Beetle Larvae.

 Jour. Econ. Ent. 41 (1): 10-12. February.
- (309) Ditman, L. P., Burkhardt, George,* Smith, F. F., and Goodhue, L. D. Liquefied-Gas Aerosols Containing DDT for Control of Vegetable-Crop Insects. Chemurg. Digest 6 (5): 94-95. March.
- (310) Dorst, Howard E.

 Methods of Reducing Losses From Curly Top. Farm and Home
 Sci. /Utah Agr. Expt. Sta. 7 9 (2): 10-12. June.
- (311) Doucette, Charles F.

 Field Parasitization and Larval Mortality of the Cabbage

 Seedpod Weevil. Jour. Econ. Ent. 41 (5): 763-765. October.
- (312) Douglass, J. R., Gibson, K. E., and Hallock, H. C.
 Reducing Curly Top Infection With Insecticides. (Sci. Note)
 Jour. Econ. Ent. 41 (5): 814. October.
- (313) Dudley, J. E., Jr., Bronson, T. E., and Stone, P. V.

 Comparative Effectiveness of Three Types of DDT Dust

 Mixtures Against Pea Aphids. (Sci. Note) Jour. Econ. Ent.
 41 (3): 518-519. June.
- (314) _____ Bronson, T. E., and Stone, P. V.

 Tetraethyl Pyrophosphate, Parathion, and Benzene Hexachloride to Control the Pea Aphid. (Sci. Note) Jour.

 Econ. Ent. 41 (5): 817. October.
- (315) Eide, R. M.
 A Tip-Infesting Sawfly on Rose. (Sci. Note) Jour. Econ. Ent.
 41 (5): 819-821. October.
- (316) Elmore, John C.

 The Control of Darkling Ground Beetles. (Sci. Note) Jour.

 Econ. Ent. 41 (6): 988. December.
- (317) Harries, F. H., and Douglass, J. R.
 Bionomic Studies on the Beet Leafhopper. Ecol. Monog. 18 (1):
 45-79. January.

- (318) Hills, O. A., Mast, A. A., and Wood, R. C.

 Field Insecticide Tests Against the Beet Leafhopper in Sugar

 Beets Grown for Seed. Amer. Soc. Sugar Beet Technol.

 Proc. 1948: 480-486.
- (319) Howard, Neale F.

 Mexican Bean Beetle in Ohio. Ohio Biol. Survey Bul. 40

 (v. 7, No. 5): 359-360. January.
- Rearing the Mexican Bean Beetle Indoors. U. S. Bur. Ent. and Plant Quar. ET-255, 2 pp. May. Processed.
- (321) Howard, Neale F., Brannon, L. W., and Mason, H. C.

 The Mexican Bean Beetle in the East and Its Control. U. S.

 Dept. Agr. Farmers' Bul. 1624, 18 pp., rev. February.
- (322) Landis, B. J.

 Plants Upon Which Tuber Flea Beetles and Western Potato
 Flea Beetles Propagate. Jour. Econ. Ent. 41 (1): 6-9.
 February.
- (323) Lane, M. C., Stone, M. W., Lanchester, H. P., Jones, E. W., and Gibson, K. E.

 Studies With DDT as a Control for Wireworms in Irrigated

 Lands. Progress Report. U. S. Bur. Ent. and Plant Quer.

 E-765, 9 pp. December. /Processed.
- (324) Lumsden, David V.,* and Smith, Floyd F.

 Growth Responses by Kalanchoes to DDT and Other Synthetic

 Compounds. Amer. Soc. Hort. Sci. Proc. 51: 618-622.

 June.
- (325) Peay, Walter E., and Knowlton, George F.

 Occurrence of Thrips Within Tomato Fruits. (Sci. Note) Jour.

 Econ. Ent. 41 (6): 989-990. December.
- (326) Schopp, Ralph, Hinman, F. G., and Brindley, T. A.

 Field Experiments With DDT for the Control of the Pea Weevil.

 Progress Report. U. S. Bur. Ent. and Plant Quar. E-740,

 9 pp. January. Processed.

- (327) Shands, W. A., and Simpson, G. W.

 Production of Alate Forms of Myzus persicae on Brassica

 campestris in the Greenhouse. Jour. Agr. Res. 76 (7 and 8):
 165-173. April.
- (328) and Simpson, G. W.

 Some Reasons Why Leafroll Did Not Spread Extensively in 1947. Maine Agr. Expt. Sta. Ann. Rpt. 1948: 3-5. June.
- (329) and Simpson, G. W.

 Use of Insecticides To Control Aphids. Maine Agr. Expt. Sta.

 Ann. Rpt. 1948: 2-3. June.
- (330) Shirck, F. H.

 Collecting and Counting Onion Thrips From Samples of
 Vegetation. (Sci. Note) Jour. Econ. Ent. 41 (1): 121-123.
 February.
- (331) Smith, C. E., Cockerham, K. L., and Deen, O. T.

 Herbicidal Tests on Sweetpotatoes and Several Wild Host

 Plants of the Sweetpotato Weevil. La. Agr. Expt. Sta. Bul.

 430, 11 pp. June.
- (332) Smith, Floyd F.

 DDT and Other Synthetics for Control of Gladiolus Thrips.

 Jour. Econ. Ent. 41 (6): 955-959. December.
- and Boswell, A. L.

 Experiments in 1947 To Control Gladiolus Thrips in Field and Storage. Gladiolus Mag. New England Gladiolus Soc. 12 (11): 30-33, February; North Amer. Gladiolus Council Bul. 13: 32, 34, 36, 78, March; Florists' Rev. 102 (2627): 29-30. April.
- (334) and Brierley, P.*

 Aphid Transmission of Lily Viruses During Storage of the Bulbs. Phytopathology 38 (10): 841-844. October.
- (335) and Brierley, P.*

 Aster Yellows in Shallot and Gladiolus. Phytopathology
 38 (7): 581-583. July.
- (336) and Brierley, P.*

 Simulation of Lily Rosette Symptoms by Feeding Injury of the
 Foxglove Aphid. Phytopathology 38 (11): 849-851. November.

- (337) Brierley, P.* and Fulton, R. A.

 Responses of Some Plants to DDT, Hexaethyl Tetraphosphate,
 and Parathion Applied as Aerosols. Amer. Soc. Hort. Sci.
 Proc. 51: 327-332. June.
- (338) _____ Fulton, R. A., and Brierley, P.*

 Use of DDT and HETP as Aerosols in Greenhouses. Agr.

 Chem. 3 (1): 37, 39, 77. January.
- (339) Fulton, R. A., and Lung, P. H.

 Recent Developments in the Control of Greenhouse Pests by
 Liquefied-Gas Aerosols. Jour. Econ. Ent. 41 (4): 624-631.

 August.
- Parathion in Aerosols for the Control of Pests on Greenhouse
 Ornamentals. U. S. Bur. Ent. and Plant Quar. E-759, 8 pp.
 October. Processed.
- Lung, P. H., and Fulton, R. A.

 Some New Insecticides and New Control Methods for Pests of
 Greenhouse Vegetables. Veg. Growers' Assoc. Ann. 1948:
 219-229. October.
- (P42) United States Bureau of Entomology and Plant Quarantine Save Food by Killing Garden Insects. U. S. Dept. Agr., Off. Food and Feed Conserv. Fact Sheet 15, 2 pp. May.
- (343) Wallis, R. L.

 Time of Planting Potatoes as a Factor in Prevention of Potato
 Psyllid Attack. Jour. Econ. Ent. 41 (1): 4-5. February.
- (344) Weigel, C. A., and Baumhofer, L. G.

 Handbook on Insect Enemies of Flowers and Shrubs. U. S.

 Dept. Agr. Misc. Pub. 626, 115 pp. January.
- (345) Wester, R. E.,* and Weigel, C. A.

 Effect of DDT Insecticides on Plant Growth and Yield on Some
 Bush Lima Bean Varieties. Amer. Soc. Hort. Sci. Proc.
 52: 453-460. November.
- (346) White, W. H.

 Quality and Yield of Sugar Beet Seed Increased by Control of Sucking Bugs. U. S. Dept. Agr. Res. Achievement Sheet 96 (E), 2 pp. July.

- (347) Wilcox, J., and Howland, A. F.

 DDT Dust for Control of Onion Thrips. Jour. Econ. Ent.
 41 (5): 694-700. October.
- (348) Wilson, M. C.

 A Preliminary Study of the Effect

A Preliminary Study of the Effect of DDT on Aphis Maidis
Fitch and Its Insect Enemies, With Particular Reference
to Aphidius (Lysiphlebus) testaceipes (Cress). Ohio Jour.
Sci. 48 (1): 30-40. January.

BIBLIOGRAPHIES, LITERATURE REVIEWS, AND LISTS

- (349) Bowen, C. V.

 A Second List of Publications on Benzene Hexachloride. U.S.

 Bur. Ent. and Plant Quar. E-755, 38 pp. September.

 /Processed./
- (350) Chisholm, R. D.

 A Review of DDT Formulations. U. S. Bur. Ent. and Plant
 Quar. E-742, 12 pp. February. /Processed./
- (351) Division of Insect Pest Survey and Information

 Bureau of Entomology and Plant Quarantine Articles Published
 in 1946. U. S. Bur. Ent. and Plant Quar. E-741, 37 pp.

 January. Processed
- Bureau of Entomology and Plant Quarantine Articles Published in 1947. U. S. Bur. Ent. and Plant Quar. E-767, 36 pp.

 December. Processed.
- Entomological (E-Series) Publications 495-738. U. S. Bur.
 Ent. and Plant Quar. E-752, 44 pp. July. Processed
- (354) Fulton, R. A.

 A Chronological List of Publications on Liquefied-Gas Aerosols.

 U. S. Bur. Ent. and Plant Quar. E-754, 8 pp. August.

 Processed.
- (355) Sollers, Helen
 Periodicals of Interest to Mosquito Control Workers.
 Mosquito News 8(2): 90-92. June.

BIBLIOGRAPHIES, LITERATURE REVIEWS, AND LISTS--Continued.

(356) Stage, H. H.

References to Literature of Interest to Mosquito Control Workers and Malariologists. Mosquito News 8 (1): 38-43, March; (2): 92-96, June; (3): 130-136, September; (4): 204-210, December.

(357) Yothers, M. A.

A Review of the Literature on Sprays To Destroy Overwintering Codling Moth Larvae. U. S. Bur. Ent. and Plant Quar. E-761, 9 pp. October. Processed

MISCELLANEOUS

(358) Bishopp, F. C.

Insect Control: An Important Factor in Public Health Work. Hygeia 26 (8): 564-565, 588. August.

- (359) ______Large-Scale Insect-Control Problems. Soap and Sanit. Chem. 24 (2): 143-145, 169. February.
- War on Insects Requires Many Weapons. Agr. Leaders'
 Digest 29 (9): 22-24, 40-41. September.
- (361) Bruce, W. G.

 The Progress of Entomology. Fla. Ent. 31 (3): 64-68.

 September.
- (362) Division of Insect Survey and Information

 Summary of Insect Conditions in 1947. U. S. Bur. Ent. and

 Plant Quar. Insect Pest Survey (unnumbered), 20 pp.

 April. /Processed./
- The More Important Insect Records for May through October 1948. U. S. Bur. Ent. and Plant Quar. Insect Pest Surveys (unnumbered), 3-5 pp. Issued monthly from June to November. Processed
- (364) Haeussler, G. J.

Reports on Insect Conditions. Agr. Chem.(Listening Post) 3 (1) 47, January; (2): 45, February; (3): 60, March; (4): 48, 48, April; (5): 51, May; (6): 45, June; (7): 43, 45, July; (8): 47, 49, August; (9): 49, 69, 71, 73, September; (10): 49, 59, 60, October; (11): 47, November; (12): 43, 45, December.

MISCELLANEOUS--Continued.

- (365) Haines, K. A., and Davis, L. G.

 Protection of Workers Applying Nicotine Alkaloid as a
 Concentrated Mist Spray. Jour. Econ. Ent. 41 (3): 513.

 June.
- (366) Limber, Donald P.

 Sori of <u>Urocystis gladioli</u> on Gladiolus Corm Scales.

 Phytopathology 38 (11): 922-925. November.
- (367) McCubbin, W. A.

 Present Status of the Golden Nematode of Potato. Amer.

 Potato Jour. 25 (4): 131-133. April.
- (368) Rohwer, S. A.

 Theodore Dru Alison Cockerell (Obituary). Ent. Soc. Wash.

 Proc. 50 (4): 103-108. April.
- (369) Simmons, Perez, Fisher, Charles K., and Tyler, John G.*
 Notes on the Apache Wasp in California. Ent. Soc. Amer.
 Ann. 41: 450-454. December.

AUTHOR INDEX

Item	Item
Alexander, Lucy M.*164	Burkhardt, George* 309
Allen, H. W 111, 116	Burnett, D., Jr 230
Anderson, L. D 85	Burnside, C. E 1
Anderson, R. F 93, 180	Busdicker, H. S 241
Anderson, W. H 266	Bushland, R. C 197, 198, 207,
Arbuthnot, K. D	219
Babers, F. H. 219	Bynum, E. K 20, 21, 33
Baker, Edward W 267, 268	Calhoun, S. L 58, 61, 62
Baker, W. A 14, 47	Capp, Hahn W 270
Baker, W. L 94	Carlson, F. W 117, 118, 119,
Ball, W. H 184	160
Bare, C. O250, 251	Carolin, V. M 98
Barger, W. R.*.,	Carson, N. B 208
Barnes, D. F 113, 126, 154	Carter, R. H 162, 163, 164,
Barnes, O. L	165
Barrett, W. L., Jr 190	Carter, S. W
Bartley, H. N 107	Cartwright, W. B
Batten, E. T.* 41, 42	Chamberlin, F. S 271
Baumhofer, L. G 344	Chamberlin, T. R18, 23, 24, 35
Beck, E. W 16, 17	Chapman, A. J 65
Berndt, O. E	Charpentier, L. J. 21, 33
Bishopp, F. C 88, 191, 192,	Chisholm, R. D 78, 79, 120,
358, 359, 360	212, 350
Blakeslee, E. B 193, 195, 196	Clancy, D. W
Blanchard, R. A	Cochran, J. N.*
Bodenstein, W. G 70	Cockerham, K. L 304, 305,
Bohart, George E 19, 280	306, 331
Boswell, A. L	Connin, R. V 43
Bottger, G. T 181, 182	Cook, William C
Bowen, C. V 161, 183, 349	Corliss, John M
Bradley, W. G	Cotton, R. T 252, 253, 254,
Brannon, L. W 321	255, 256, 257, 258, 259
Brewer, E. G	Cotton Insect Workers, Federal
Brierley, Philip* 298, 299,	and State 59
300, 301, 334, 335, 336,	Craighead, F. C. 97
337, 338	9
	Crawford, J. C. 272, 273, 274,
Brindley, T. A 302, 303, 326	Crossman A W 127
Bronson, T. E 313, 314 Brooks, J. W.* 85	Cressman, A. W
Bruce, W. G193, 194, 195,	Cristol, S. J 166, 187
	Cross, H. F 199, 200, 232
196, 361	Culpepper, G. H 201, 219
Brunson, M. H 115, 116	Curl, L. F
Buchanan, L. L	Dahms, R. G 25, 26, 27
Buchanan, W. D 98	Davis, E. G 28

Item	item
Davis, E. W 308	Frazier, Norman W 129
Davis, L. G 365	Fronk, W. D 29
Dean, F. P 119, 123, 139	Frost, M. H., Jr.* 15
Dean, G. A.* 257	Fulton, R. A 168, 169, 176,
Deay, H. O.* 38	184, 337, 338, 339, 340,
Deen, O. T 304, 305, 306, 331	341, 354
Dennis, Norman M 258	Gahan, J. B 204, 209, 236,
Deonier, C. C 80, 202	277
Ditman, L. P 309	Gaines, R. C 66, 67
Division of Bee Culture 2	Gambrell, F. L.* 127
Division of Insect Survey	Gersdorff, W. A 179, 210, 211
and Information 351, 352,	Gertler, S. I 44, 149, 182, 189
353, 362, 363	Gibson, K. E 312, 323
Division of Insects Affecting	Gilbert, I. H 209
Man and Animals 203	Gill, J. B
Dobbins, T. N	Gill, L. S.*
Dorst, Howard E	Gooden, E. L 170
Doucette, Charles F 311	Goodhue, L. D 309
Douglass, J. R 312, 317	Gould, Edwin 128
Dowden, Philip B 98	Graham, Owen H 212
Downs, W. G.*	Gray, H. E.*
Dudley, J. E., Jr 313, 314	Green, Nathan 171, 172, 179
Dunnam, E. W 61, 62	Greenwald, M
Eddy, Gaines W205, 206, 207,	Criswold, Charles L 99
208, 212	Gross, E. R.*
Eide, R. M	141, P. W.* 62
Ellis, Don E.* 100	Musney, A. B 278, 279
Elmore, John C 315	Hadley, C. H 129, 130
Evans, R. W	Haeussler, G. J 364
Everly, Roy T	Haines, K. A
Ewing, K. P 63, 64, 68, 69	Haley, W. E 20, 21
Fahey, J. E	Hall, David G
Tales, J. H	Hall, S. A 173, 174, 178
Farrar, C. L 3	Haller, H. L 86, 166, 175, 187
Faulkner, Frank E 80	Hallock, H. C 312
Fest, W. C 78	Hamilton, Donald W 131, 132,
T' e L. C 65	133
Fisher, C. K	Hamstead, Elwood O 128
W S	Hankins, O. G.* 165
Fleck, Elmer E167, 185, 186	Harries, F. H 317
Tleming, W. E 124, 125	Harris, T. H 246
11 no J 4	Harrison, P. K 306
In meld, J. C 255, 256,	Hazen, A. C
257, 258, 260	Henderson, C. F 31, 83
201, 200, 200	menderson, C. F 01, 00

Item	Item
Hills, O. A 318	Mackensen, Otto 5, 6
Hinman, F. G 302, 303, 326	Madden, A. H 84, 226
Hitchcock, J. D 4	Mann, H. D164, 165
Hoffman, C. H 100	Marshall, C. V.* 79
Howard, Neale F 319, 320, 321	Martin, J. F 240
Howland, A. F 347	Mason, A. C120, 121, 127
Hubanks, P. E 164, 165	Mason, H. C 285, 321
Hunt, G. M.* 101	Mast, A. A
Ingram, J. W 32, 33	Mathis, Willis 143
Iris, R. C.*	McAlister, H. J 155, 156
Jacobson, Martin. 173, 174, 177,	McCubbin, W. A 367
178	McDuffie, W. C.* 225
Johnson, George V 81, 82	McGregor, S. E 7
Johnson, V. A	McKennie, Howard L 106
Jones, D. W	Medler, J. T 23, 24, 35
Jones, E. W	Melander, L. W 241, 242
Jones, H. A 221, 229	Merkel, E. P
Kauffman, William	Middleton, William 107
Keiser, Irving 31, 83	Mock, P. S.*
King, W. V	Morton, F. A 224, 225
Knipling, E. F 191, 216, 217,	Moss, V. D 245
218, 219, 221	Mote, D. C.*
Knowlton, George F 325	Moznette, G. F 134
Kouba, T. F 239	Munger, Francis 135, 136, 137
Kowal, R. J 102, 103	Nagel, C. M
Krombein, K. V281, 282, 283	Nelson, H. D 92
Laake, E. W	Nelson, R. H 184, 210
LaForge, F. B 171, 172, 179	Nerney, N. J
Laird, I. R	Newcomer, E. J 118, 123,
Lanchester, H. P 323	138, 139
Landis, B. J 308, 322	Nickels, C. B 140, 141, 142
Lane, M. C 284, 307, 323	Nottingham, E
Laudani, Hamilton 220	Offord, H. R 244, 245
Lieberman, F. V 34	Oman, P. W 286, 287
Limber, Donald P 366	O'Neal, E. J.*
Liming, O. N 104, 105	Osburn, Max R 143, 153, 188
Lindgren, D. L	Packard, C. M
Lindquist, A. W 84, 221, 222,	Parencia, C. R., Jr 64, 68, 69
223, 226, 228, 229, 238	Parker, J. R
Linduska, J. P 224, 225	Patch, L. H
Loegering, W. Q 247	Peay, Walter E 325
Lumsden, David V.* 324	Peffly, R. L
Lung, P. H339, 340, 341	Penn, George Henry* 297
Lungren, E. A 242	
Limigien, E. A	Pentzer, W. T.* 112

Item	Item
Phillips, A. M 144, 145	Smith, G. L
Phillips, G. L 70	Smith, M. R 294, 295
Pierce, W. C 142	Snapp, Oliver I150, 151, 152
Piquett, Price G 227	Snyder, F. M.* 200, 232
Pogorelskin, Milton A 161	Snyder, T. E 101, 108
Pollard, H. N 122	Sollers, Helen355
Poos, F. W 40, 41, 42, 85	Sovulewski, R 246
Porter, B. A 146, 147	Spencer, Herbert153
Potts, S. F 85	Stafford, E. M.*
Questel, D. D 43, 44	Stage, H. H
Radeleff, R. D.*	234, 356
Raun, D. S 219	Stakman, E. C 247
Reinhardt, J. F 8	Steiner, L. F 155, 156
Revell, I. L 1	Stevenson, W. A 73
Richardson, Henry H 148	Stitt, L. L
Roberts, W. C 6	Stone, Alan 296, 297
Robertson, O. T 71	Stone, M. W 307, 323
Rohwer, S. A 368	Stone, P. V 313, 314
Roth, A. R 222, 228	Strandtmann, R. W 268
Russell, E. E 45	Summerland, S. A 155, 156
Russell, Louise M 288	Swingle, R. U
Sabrosky, C. W 289, 290, 291	Tippins, H. H.*
Sailer, R. I	Todd, Frank E 9
St. George, R. A 103	Tyler, John G.* 369
Satterthwait, A. F 46, 293	United States Bureau of
Scales, A. L 66, 72	Entomology and Plant
Scharff, D. K	Quarantine49, 50, 51, 52,
Schechter, M. S 86, 211	74, 75, 89, 157, 235, 248,
Schlosberg, Morris 47	294, 262, 263, 264, 342
Schopmeyer, Grace E.* 164	United States Bureau of Plant
Schopp, Ralph 302, 303, 326	Industry, Soils, and
Schroeder, H. O	Agricultural Engineering. 109
Shands, W. A327, 328, 329	Updike, R. L., Jr
Shiller, Ivan	Van Leeuwen, E. R 158
Shirck, F. H	Vansell, George H8, 9
Siegler, E. H	Wakeland, Claude 37
Silver, J. C	Walkden, H. H 53, 54, 261
Simmons, Perez	Wallis, R. L
Simpson, G. W 327, 328, 329	Walter, E. V
Smith, C. E	Watson, W. M
Smith, C. N	Weigel, C. A 183, 344, 345 Welborn, I. A., Jr.* 92
Smith, Charles L	Wells, R. W
Smith, Floyd F 298, 299, 300, 301, 309, 324, 332, 333,	Wester, R. E.* 345
301, 309, 324, 332, 333, 334, 335, 336	White, G. D
334, 330, 330	Willie, G. D

Item	Item
White, R. T	Yates, W. W 222, 237, 238
White, W. H 265, 346	Yeomans, A. H 90, 91
Whitten, R. R	Yerington, A. P 181, 182, 189
Wilcox, J 347	Yothers, M. A 119, 160, 357
Wilson, C. C 56	Young, H. C 57
Wilson, H. G 209, 223, 236	Young, M. T 67, 76
Wilson, M. C 348	Yust, H. R 92
Wood, R. C318	Zeller, J. H.* 165
Woodrow, A. W 10, 11	Zetek, James 108

